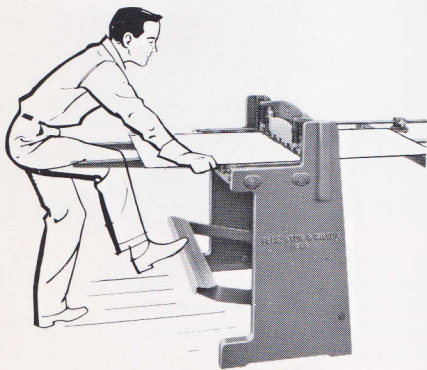
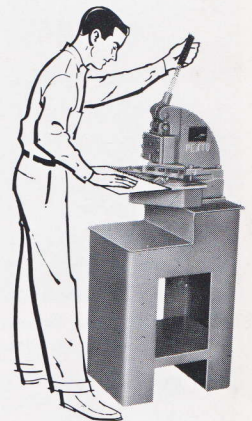


PEXTO®

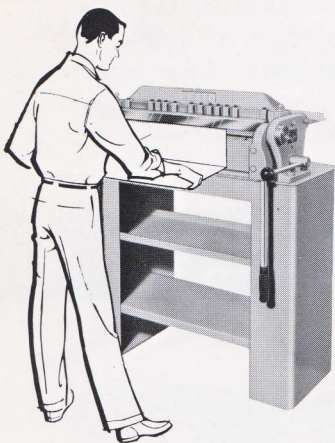
Sheet Metal Fabricating **MACHINES** and **TOOLS** for **SCHOOL** **SHOPS**



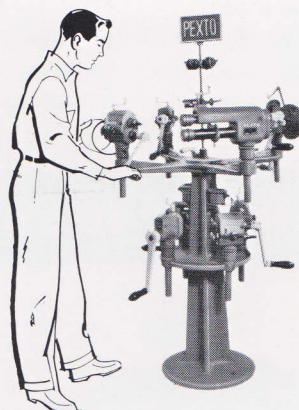
Foot Squaring Shear No. 137



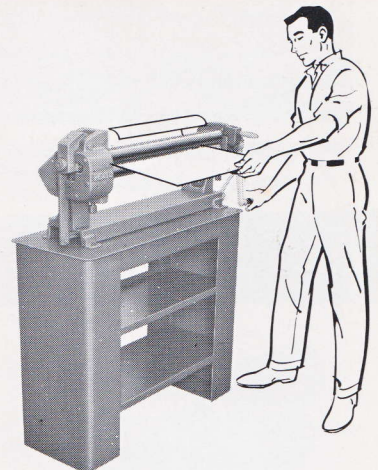
Combination Notcher, Coper & Shear No. PS-66



Box and Pan Brake No. PX-24



Pexto Hold-All No. 969



Slip Roll Former No. 383

Illustrations show individual work stations
The Modern Trend in Today's School Shops

THE ADVANTAGES OF INDIVIDUAL WORK STATIONS... by Pexto

Installed in thousands of vocational, high school and junior high school metalworking shops throughout the country, Pexto machines and tools provide excellent practical training in the methods and procedures followed in industrial plants.

As individual work stations, Pexto machines on stands are designed to accomplish their tasks with utmost efficiency and accuracy . . . yet occupy as little space as possible. They can be arranged to avoid hazards, and to utilize the best lighting to advantage. Pexto machines permit concentration on the job to be done . . . individual training . . . less interference in the particular space available. They are safer to operate, easier to maintain, and it is easier to keep the work area clean around Pexto individual work stations. The result: better morale, less confusion, more orderly work processes, more flexibility, and greater safety.

All advanced-design features are incorporated in Pexto machines, such as color-finishing in Pittsburgh Dynamic Safety Coloring System . . . Vista Green with contrasting yellow.

THE PEXTO SCHOOL SERVICE

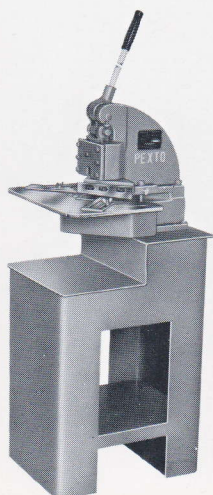
Pexto offers a complete School Service . . . available to instructors, architects, school executives . . . for the selection of machines and tools for sheet metal shops, automotive and electronic shops . . . planning shop layouts, making recommendations about storage, work flow, maintenance, handling of scrap, and processing the newer materials.



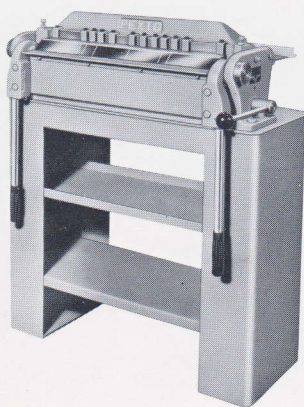
The advantages of individual work stations and a carefully planned shop layout are illustrated in this photograph taken in a section of the sheet metal shop of the Flint (Michigan) Junior College. A large metal sheet is sheared without difficulty on a Pexto Foot Squaring Shear.

We have developed the Pexto Progressive Plan to help you select the basic machines and tools for the new shop, and then schedule the acquisition of additional equipment as classes expand or more floor space becomes available. Write to our School Shop Division for information.

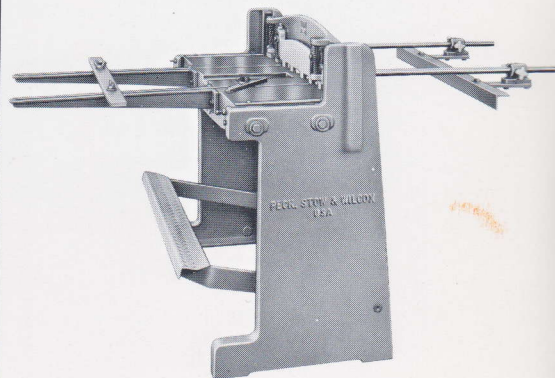
A FEW OF THE MANY FAMOUS PEXTO MACHINES



2
Pexto Combination Notcher, Coper & Shear No. PS-66
16 gauge splay-cut capacity—18 gauge pierce-cut—
6" x 6" notch—box corner tab blades available



Pexto Box and Pan Brake No. PX-24
16 gauge capacity—24" bending length

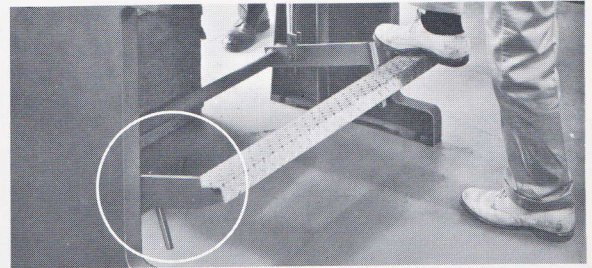


Pexto Foot Squaring Shear No. 137
16 gauge capacity in mild steel—36" nominal cutting
length

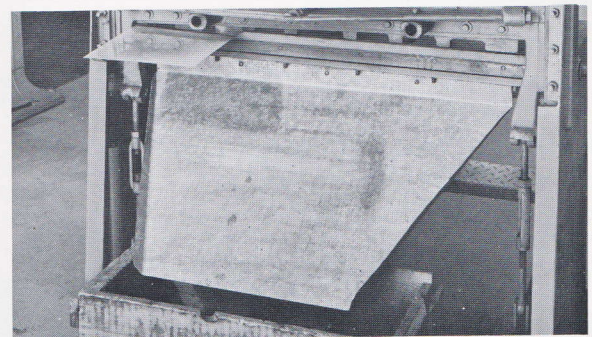
SUGGESTIONS FOR PLANNING AND IMPROVING THE SCHOOL SHOP

16 PRACTICAL TIPS for SCHOOL SHOP INSTRUCTORS

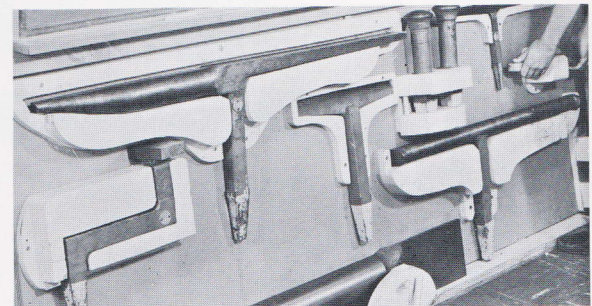
1. Space allotted to shop work should not be less than 50 square feet per student.
2. Individual work stations should be arranged to provide for overhanging work pieces.
3. Equipment should be arranged to take advantage of natural light as much as possible.
4. Machines should not be located where they will interfere with the opening of doors.
5. Space between benches and other work stations should be at least three feet—four, if possible.
6. An open area should be provided where large projects can be assembled.
7. Avoid mounting machines against supporting columns, or outside walls wherever possible.
8. Allow free working area for hand crank machines. Check for “knuckle clearance.”
9. Shop should be planned to accommodate evening adult education classes, without opening the main part of the school building.
10. Scientifically arranged color schemes reduce glare and create more pleasant working conditions.
11. Consider wall panels for tool or equipment storage . . . for convenient handling, ease of access, checking and display.
12. Arrange machines for a proper flow of stock being worked.
13. Heavy gloves should be available in the stockroom for handling stock-size sheet metal.
14. A suitable receptacle should be provided for scrap from sheet metal shears.
15. Areas for each type of work should be indicated by a line or artificial barrier. Similarly, aisles should be well-defined.
16. Think Safety—Teach Safety—Plan Safety.



Risk of foot injury when operating the foot shear is eliminated by the use of a treadle stop.

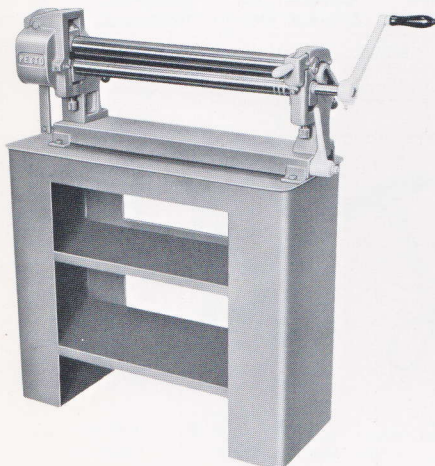


A simple metal stock chute delivers extra metal pieces from sheared sheets to a container, keeping the floor clear.

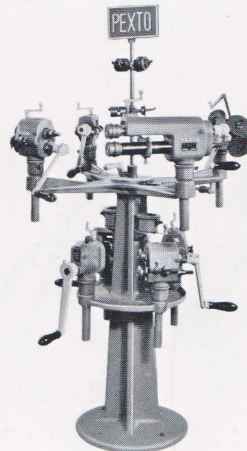


Color-coded wall racks provide readily-accessible, neat storage for Pexto stakes and other hand tools.

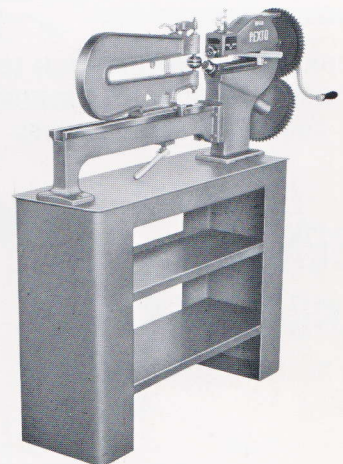
DESIGNED FOR SCHOOL SHOPS AND INDUSTRIAL APPLICATIONS



Pexto Slip Roll Former No. 383
20 gauge capacity in mild steel—24" roll length



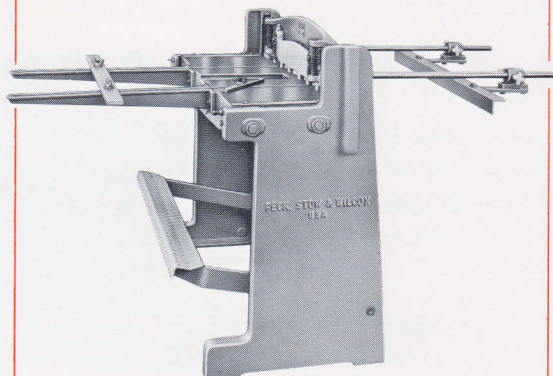
Pexto Revolving Hold-All No. 969
4 operating stations—10 holders



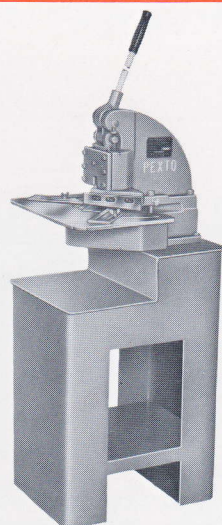
Pexto Ring and Circle Shear No. 298
22 gauge capacity in mild steel—2-3/4" to 22" circle from square blanks

GUIDE TO THE SELECTION

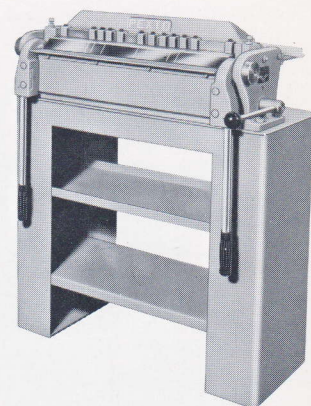
MACHINES



Pexto Foot Squaring Shear No. 137 — 16 gauge capacity in mild steel — 36" nominal cutting length.



Pexto Combination Notcher, Coper & Shear No. PS-66 — 16 gauge splay-cut capacity — 18 gauge pierce-cut — 6" x 6" notch



Pexto Box and Pan Brake No. PX-24 — 16 gauge capacity — 24" bending length

VOCATIONAL OR TECHNICAL HIGH SCHOOLS

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SENIOR OR JUNIOR HIGH SCHOOLS

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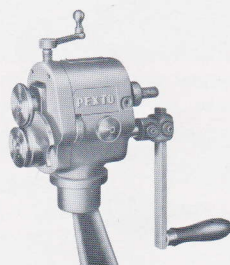
COMPOSITE SCHOOL SHOPS

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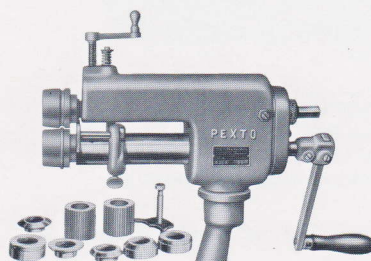
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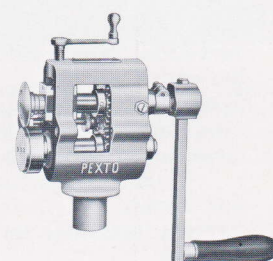
BENCH MACHINES



Pexto Combination Rotary Machine No. 544 — 22 gauge capacity in mild steel — 2" between shaft centers



Pexto Deep Throat Combination Rotary Machine No. 622 — 24 gauge capacity — 26 gauge capacity, crimping only — 2" between shaft centers



Pexto Small Bench Rotary Machine No. 540 — 22 gauge capacity — 1½" diameter rolls



Pexto Setting Machine No. 561 — 24 gauge capacity — For seams up to 1" wide

VOCATIONAL OR TECHNICAL HIGH SCHOOLS

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SENIOR OR JUNIOR HIGH SCHOOLS

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COMPOSITE SCHOOL SHOPS

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STAKES



Beakhorn No. 901 — 38" overall



Double Seaming No. 921 — 29" overall



Creasing, with horn No. 927 — 19" overall



Conductor No. 971 — 28" overall



Blownhorn No. 925 — 27" overall



Needle Case No. 957 — 18½" overall



Bevel Edge Square No. 932 — 2½" 4½" head

VOCATIONAL OR TECHNICAL HIGH SCHOOLS

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SENIOR OR JUNIOR HIGH SCHOOLS

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COMPOSITE SCHOOL SHOPS

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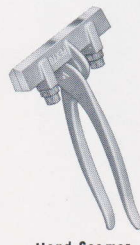
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BENCH & HAND TOOLS



Hand Seamer No. 794 — 3½" blade length



Hand Seamer with Gauge No. 795 — 6½" blade length



Hawk's Bill Scroll Pattern Snips No. 15 — 2½" length of cut



Bull Dog Snips No. 514 — 2¼" length of cut



Straight Pattern Snips No. 9 — 3" length of cut



No. 55 double cut



No. 51 cuts like

VOCATIONAL OR TECHNICAL HIGH SCHOOLS

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SENIOR OR JUNIOR HIGH SCHOOLS

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COMPOSITE SCHOOL SHOPS

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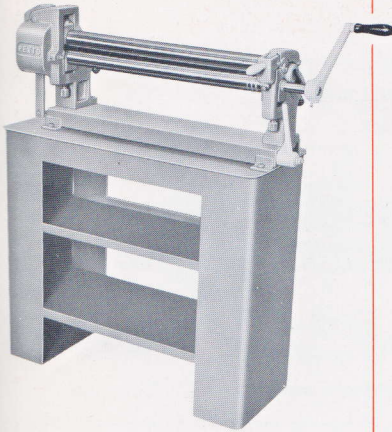
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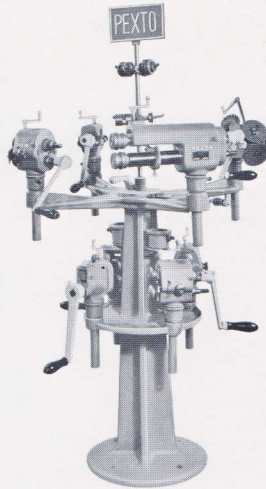
OF SCHOOL SHOP EQUIPMENT

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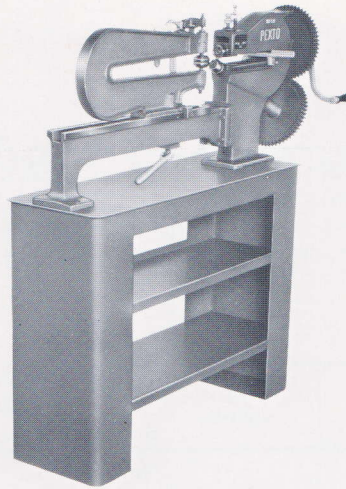
Pexto Slip Roll Former No. 383—20 gauge capacity in mild steel—24" roll length

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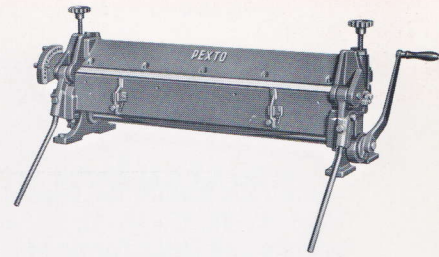
Pexto Revolving Hold-All No. 969—4 operating stations—10 holders

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Pexto Ring and Circle Shear No. 298—20 gauge capacity in mild steel—Will circle from square blanks 3 1/4" to 24"

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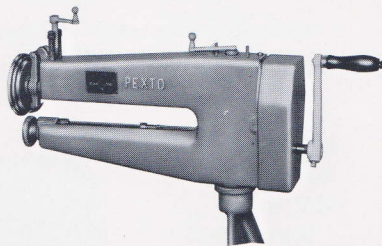


Pexto Combination Brake and Folder No. 696—20 gauge capacity in mild steel—36" sheet lengths



Pexto Adjustable Bar Folder No. 63—22 gauge capacity in mild steel—30" folding length

No. 696	1	No. 63	1
	1		—
	1		1



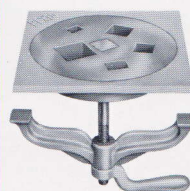
Pexto Double Seaming Machine No. 644—26 gauge capacity in mild steel 2 3/4" lower seaming roll

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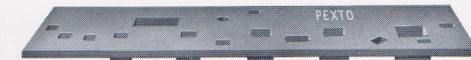
Pexto Cut-off Shear No. 253 16 gauge capacity in mild steel—3 1/2" cut.

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Pexto Steel Straight Edges—No. 994—48" long—No. 995—96" long—No. 0995—120" long

Pexto Revolving Bench Plate or Stake Holder No. 983—8 3/4" x 8 3/4"



Pexto Bench Plate or Stake Holder No. 982—30" x 8"



Pexto Brace and Wire Bender No. 402—2" width of bending plate—Will form wire 3/8" diameter

No. 994	1	No. 983	1	No. 982	4	No. 402	1
	1		1		3		—
	1		1		1		—



Down Machine No. 936—2 3/4" x 4 1/2" head

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Common Square No. 936—2 3/4" x 4 1/2" head

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Coppersmiths Square No. 935—2 3/4" x 4 1/2" head

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Hatchet No. 943—13" blade

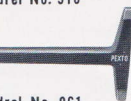
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Hollow Mandrel No. 910—40" overall

No. 910

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Solid Mandrel No. 961—34 1/2" to standard

No. 961

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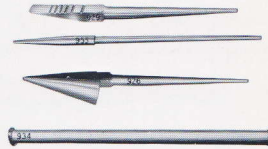
Grooving No. 922—19" overall

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Universal Holder and Stake Set No. 964

905 1/2
905
933
933 1/2
959



929
955
926
934

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Variation Pattern Snips



No. 53—yellow, cuts straight

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No. 52—green, cuts right

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Setting Hammer No. 3—3/8" face

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Riveting Hammer No. 2—1" face

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Rivet Set, No. 46 No. 00 through 8

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Hand Groover No. 0—3/8" groove No. 2—5/16" groove No. 4—7/32" groove

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Scratch Awl No. 24—3 1/2" blade length, tenite handle

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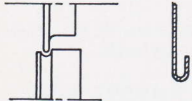
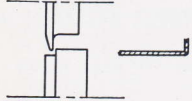
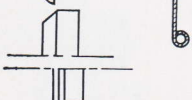
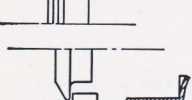

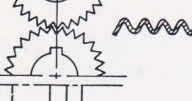
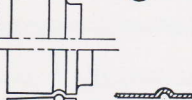
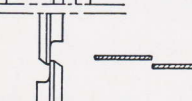
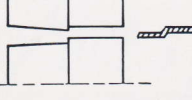
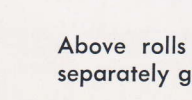
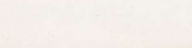


Wing Divider No. 35—6", 8", 10" or 12"

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ROLL CHART FOR COMBINATION ROTARY MACHINES

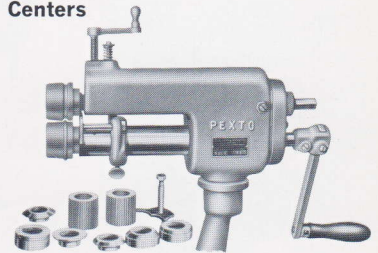
Pextite rolls feature the famous Pextite finish for tight grip and positive feed. Types A, B, C, D, L, M and No. 1 rolls are interchangeable in both Standard and Deep Throat Machines . . . true reversible combination machines that may be driven through upper or lower arbors, and provide gauging from either side.

ROLL DIAGRAM	NAME OF ROLLS	PART NUMBER	GAUGE REQUIRED FOR USE ON SERIES	
			544	622
	"A" Turning 1/8"	10118 10119	10727	10126
	"B" Turning 3/16"	15037 15038	10727	10126
	"C" Burring	10120 10121	10727	10126
	"D" Wiring	10122 10123	10727	10126
	"No. 1" Elbow Edging	15039 15040	10727 or 15825	10126
	"L" Flanging	15053 15054	14637	Spec. 1541
	"M" Flattening	15055 15056	No Gauge Needed	No Gauge Needed
	"E" Crimping	10124 10125	Not Available	10127
	"F" Ogee Bead 3/4"	10152 10153	Not Available	10130
	"G" Single Bead 1/4"	11106 11107	Not Available	10130
	"H" Slitting Cutters	SP2445 SP2446	Not Available	10126
	"P" Offset	A-57133 A-57134	Not Available	10127

Above rolls for machines with 2" center distance. When ordering separately give model and serial number of machine.

DEEP THROAT COMBINATION ROTARY MACHINE

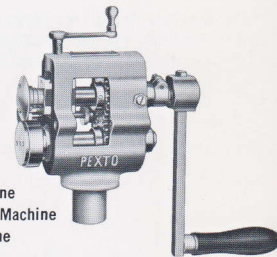
2" Centers



No. 622 — Combination machine with A, C, D, E and F rolls.

SMALL ROTARY MACHINES

1 1/2" Centers



- No. 576 — Small Burring Machine
No. 540 — Extra Small Turning Machine
No. 550 — Elbow Edging Machine

All machines furnished with 1 1/2" rolls, non-interchangeable

COMBINATION ROTARY MACHINE Series 544 2" Centers



- No. 544 — Machine only; no rolls.
No. 1544 — Combination machine with A, B, C, D rolls.
No. 2544 — Turning machine with A rolls (11 gauge wire) and B rolls (7 gauge wire).
No. 3544 — Burring machine with C rolls; maximum 1/4" flange.
- No. 4544 — Wiring machine with D rolls (up to 7 gauge wire).
No. 5544 — Elbow edger, with No. 1 Elbow Edging rolls.
No. 6544 — 1st operation flanging machine with L rolls (maximum 3/8" flange).
No. 7544 — 2nd operation flanging machine with M rolls.



Standard gauge



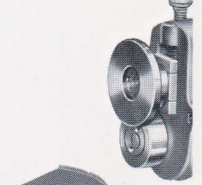
C.I. throat gauge



Crimping gauge



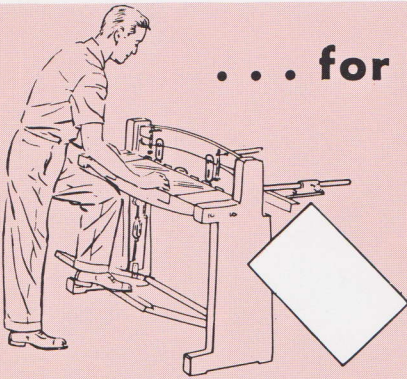
"L" flanging rolls with curved gauge



"M" flattening rolls

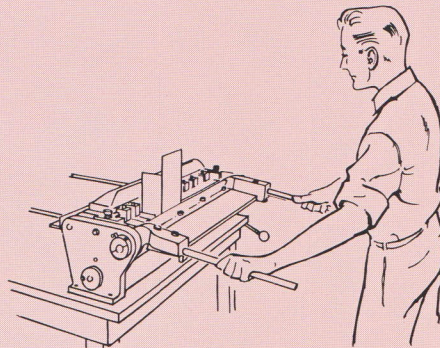
SHEET METAL WORKING MACHINERY APPLICATION

... for schools, shops and general industries



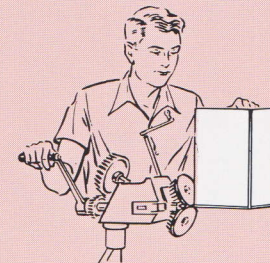
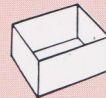
SQUARING SHEARS

Used for trimming and squaring sheet metal.



BOX AND PAN BRAKE

A small bench mounted brake for straight bends up to full length of machine or for box and pan work up to 3 inch depth.

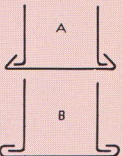


A—This shows how bottom edge of body, and bottom of Can are prepared by Burring Machine for Setting-Down.

B—The Pexto Setting-Down Machine closes the seam as shown here. It works both speedily and accurately.

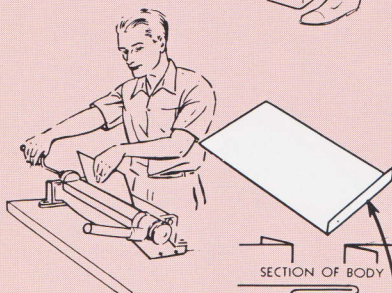
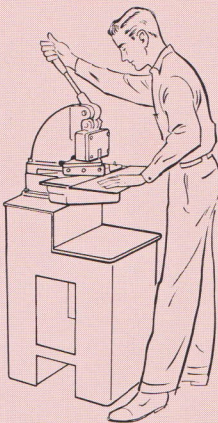
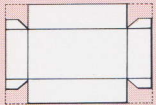
SETTING DOWN MACHINE

The Setting Down Machine prepares the seams in body of vessels for double seaming



NOTCHER, COPER AND SHEAR

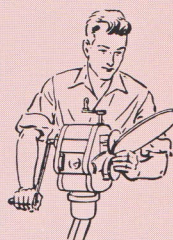
Combination machine for small, diversified jobs.



FOLDING MACHINE

The Folding Machine is used extensively for edging sheet metal or the forming of locks or angles.

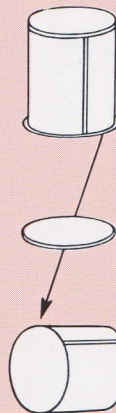
SECTION OF BODY
HOOK LOCK



AA—Showing edges turned by Pexto Burring Machine. Note right-angle burr on body of can, and a still more pronounced burr on the bottom piece. The edge on bottom is turned smaller than on the body.

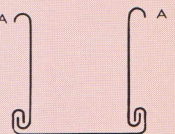
BURRING MACHINE

A difficult operation to master but practice will produce uniform flanges on sheet metal bodies. Prepares the burr for bottoms preparatory to setting down and double seaming.

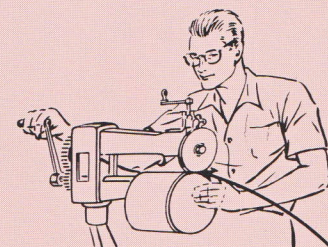


TURNING MACHINE

Used to prepare a seat in bodies to receive a wire. The operation is completed with use of Wiring Machine.

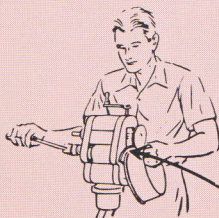


AA—Seats for Wire—made on the Turning Machine.



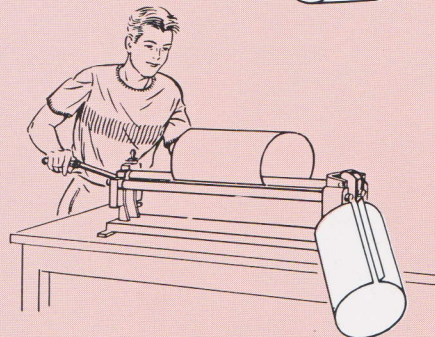
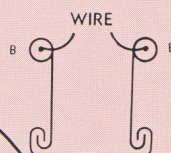
DOUBLING SEAMING MACHINE

Offered in various styles and follows the setting down operation.



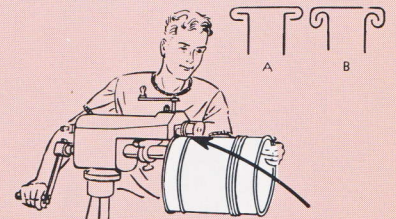
WIRING MACHINE

Works the metal completely and compactly around wire. Depending on shape of work, seats to receive wire are prepared on Folder, Brake or Turning Machine.



FORMING MACHINES

Used for forming flat sheets into cylinders of various diameters such as stove pipe, the bodies of vessels, cans, etc. Made in a variety of sizes and capacities.



BEADING MACHINE

For ornamenting and stiffening sheet metal bodies.

PROJECTS TO HELP THE SCHOOL SHOP INSTRUCTOR

Pexto school projects are based upon actual products of industry and craft shops . . . using Pexto machines and tools in their manufacturing processes. They are offered

to school shop instructors. Pexto projects are designed to provide practical training, and at the same time produce useful, attractive home accessories.



PROJECT NO. 1 — FLARED OVAL WASTE BASKET. Tapered from top to bottom, this waste basket—of 28 gauge sheet steel or alternate material—is reinforced with double side seams and a wired edge around the top.



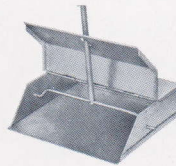
PROJECT NO. 2 — LETTER BOX. Designed with a one-piece body, this letter box has a sloping hinged top and magazine clips. Its construction involves notching, setting down, and forming on Pexto machines.



PROJECT NO. 3 — OUTDOOR POST LANTERN. A perfectly-proportioned lantern made usually of 28 gauge galvanized or 24 gauge hard copper. Construction involves roll forming, shearing, notching, double seaming, folding, and soldering.



PROJECT NO. 4 — CHARCOAL HOD. Designed to hold ten pounds of charcoal briquettes, this hod requires a number of fabricating operations, including seaming, shearing, grooving, wiring.



PROJECT NO. 5 — PATIO DUST PAN. A project in aluminum, all double seamed—requiring no solder or riveting. The emphasis in this project is on shearing, folding, and seaming, plus handle, swivel and hinge pin forming.



PROJECT NO. 6 — PLANTER. An easy-to-make project in copper or brass. The emphasis here is not so much on the number of fabricating processes involved but the craftsmanship required to make a lasting decorative piece.



Each Pexto Project is presented in both descriptive form—with isometric sketches and rough dimensions—and in complete detail, with working drawings. It may be used as a complete project in layout, development and fabrication, working from the sketches, or as a specific problem, working to detailed specifications.

**“THE PEXTO
QUICK REFERENCE
CATALOG”**



The complete line of Pexto machines is illustrated and described in Pexto Quick Reference Catalog No. 159. Write for your copy.

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THE PECK, STOW & WILCOX CO.
SOUTHINGTON, CONNECTICUT, U.S.A.